Sheet	1	of	1

	Substitute Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10275-094001	Application No. 09/849,657
	plicant	Applicant Harry Meade et al.		
JAN	(Use several sh	eets if necessary)	Filing Date May 4, 2001	Group Art Unit 1632

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
91+	AA	5,654,270	8/5/97	Ruoslahti et al.			
1	AB	6,046,162	4/4/00	Ruoslahti et al.	<b>——</b>		
	. AC						
	AD						

	Foreign Patent Documents or Published Foreign Patent Applications							
Examiner	Desig.	Document	Publication	Country or			Trans	slation
Initial	QI QI	Number	Date	Patent Office	Class	Subclass	Yes	No -
	AE							
	AF							
	AG							

	Other Documents (include Author, Title, Date, and Place of Publication)						
Examiner Initial	Desig. ID	Document					
2H	AH	Wall, R.J., "Transgenic livestock: Progress and prospects for the future." <i>Theriogenology</i> . Vol. 45, pp. 57-68 (June 1996).					
97H	AI	Mullins et al., "Perspectives Series: Molecular medicine in genetically engineered animals." J. Clin. Invest., Vol. 98, No. 11, pp. S37-S40 (December 1996).					
	AJ						
	AK						

Exami	iner	Signa	ature
		1	

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Approved for use through 07/31/2008. OMB 0851-0031
U.S. Patent and Tredemark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form	1449/PTO	Col	mplete if Known	
		Application Number	09/849,657	
INFORM	ATION DISCLOSURE	Filing Date	05/04/2001	
		First Named Inventor	Harry Meade	
STATEM	ENT BY APPLICANT	Art Unit	1646-1632	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)  Application Number Filing Date First Named Inventor Art Unit Examiner Name	joanne itama			
neet 1	of 2	Attorney Docket Number	GTC-21	

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> (* Innove)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
974		<sup>US-</sup> 5,843,705	12-01-1998	DiTullio et al.	
<del>-0:</del>		US-			
· · · · · · · · · · · · · · · · · · ·		US-			
-		US-			
·		US-			
		US-	-		
		US-			
		US-			
		US-			
		US-	1		

		FORE	IGN PATENT DOCU	IMENTS		
	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	₹º
97H		WO 97/466664	12-11-1997	Univ. of Washin		
4		WO 99/54491	10-28-1999	Children's Hosp		
						L
					<del></del>	┝
						┡
				1		Ь

Examiner Signature	down by	Date Considered	1/28/05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents the indication of the year of the region of the Empreyage that recede the serial number of the patent document. \*\*Nind of document of the patent document. \*\*Nind of document of the patent document of the patent document under WIPO Standard ST.16 if possible. \*\*Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will very depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (08-03)
Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitu	te for form 1449/PTO				Complete if Known	
00000				Application Number	09/849,657	
INF	ORMATION	N DIS	CLOSURE	Filing Date	05/04/2001	
STA	ATEMENT	BY A	PPLICANT	First Named Inventor	Harry Meade	
	(Use as many sh			Art Unit	1646 1632	
	lose as many sn	ieets es n	ecessary)	Examiner Name	goanne Harna	
Sheet	2	of	2	Attorney Docket Number	GTC-21	

		NON PATENT LITERATURE DOCUMENTS		
Examiner Cite No.1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²	
974		Isaka et al., "Gene therapy by skeletal muscle expression of decorin prevents fibrotic disease in rat kidney", Nature Medicine, Vol 2, pgs. 418-423 (1996)		
		Ko et al., "Production of biologically active human granulocyte colony stimulating factor in the milk of transgenic goat", Transgenic Research, 9: pgs. 215-222 (2000)		
		Moscatello et al., Decorin Suppresses Tomor Cell Growth by Activating the Epidermanl Growth Factor Receptor", J. Clin. Invest., Vol 101, pgs. 406-412 (1998)		
		Ruoslahti, E., "Structure and Bilogy of Proteoglycans", Ann. Rep. Cell Biol., 4, pgs. 229-255 (1988)		
V		Stromqvist et al., "Recombinant human bile salt-stimulated lipase: an example of defective O-glycostyation of a protein produced in milk of transgenic mice". Transgenic Research, 5, pgs. 475-485 (1996)		

Examiner	has	110	Date	No.lo.
Signature		(6)	Considered	1128103

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of Information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Substitute for form 1449/PTO

Sheet 1

(Use as many sheets as necessary)

Complete if Known

Application Number 09/849,657

Filing Date 05/04/2001

First Named Inventor Harry Meade

Art Unit 1848 1632

Examiner Name Joanne Hama

Attorney Docket Number GTC-21

			U. S. PATEN	T DOCUMENTS	
Examiner Initials*	Cite No.	Document Number  Number-Kind Code <sup>2 (# known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
9H		<sup>US-</sup> 4,407,956	10-04-1983	Howell	
1		<sup>US-</sup> 4,485,040	11-27-1984	Roger et al.	
		<sup>US-</sup> 4,644,056	02-17-1987	Kothe et al.	
		<sup>US-</sup> 4,897,465	01-30-1990	Cordle et al.	
		<sup>US-</sup> 5,096,815	03-17-1992	Ladner et al.	
		<sup>US-</sup> 5,198,346	03-30-1993	Ladner et al.	
		<sup>US-</sup> 5,223,409	06-29-1993	Ladner et al.	
		<sup>US-</sup> 5,283,184	02-01-1994	Jorgensen et al.	
		<sup>US-</sup> 5,482,852	01-09-1996	Yoder et al.	
		<sup>US-</sup> 5,523,226	06-04-1996	Wheeler	
		<sup>US-</sup> 5,573,933	11-12-1996	Seamark et al.	
		<sup>US-</sup> 5,741,957	04-21-1998	Deboer et al.	
,		<sup>US-</sup> 5,843,705	12-01-1998	DiTullio et al.	
N		<sup>US-</sup> 6,268,487	07-31-2001	Kutzko et al.	
		US-			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages		
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>3</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	Τ*	
971		WO 88/06630	09-07-1988	Genex Corp			
1		WO 90/02809	03-22-1990	Protein Eng Cor			
		WO 90/06767	06-28-1990	Jolla Cancer			
		WO 92/09690	06-11-1992	Genentech Inc.			
		WO 93/25071	12-23-1993	DNX Corp			
V		WO 94/19935	09-15-1994	Genzyme Corp			

Examiner Signature	door lar	Date Considered	1/28105

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

(Use as many sheets as necessary)

Sheet 2 of 12 Attorney Docket Number GTC-21

Examiner	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.1	Number-Kind Code <sup>2 (7 known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
		US-		-	
		US-			
	<u> </u>	US-		·	
		US-	<u> </u>	· · · · · · · · · · · · · · · · · · ·	
		US-	<del> </del>	<del></del>	
		US-	1	<del></del>	
	<del>                                     </del>	US-		<del></del>	
		US-	<del> </del>		
		US-	-		
		US-			
	_	US-			
		US-	<del> </del>		
		US-	<del>                                     </del>		
<del></del>	<del>                                     </del>	US-	<del>                                     </del>		
<del></del>	<del> </del>	US-			
		US-	<del> </del>		

		FORE	IGN PATENT DOCL	IMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
-		Country Code <sup>3</sup> Number <sup>4</sup> 'Kind Code <sup>3</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	To
974		WO 94/23046	10-13-1994	US Health		
1		WO 95/04744	02-16-1995	DNX Corp		
		WO 95/22258	08-24-1995	Nuijens		
		WO 97/07669	03-06-1997	Campbell		
V		WO 98/30683	07-16-1998	Univ Mass		

Examiner Signature	dran	W.	Date Considered	1128105

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of Information is required by 37 CFR 1.97 and 1.98. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 12

Sheet 3

Complete if Known					
Application Number	09/849,657				
Filing Date	05/04/2001				
First Named Inventor	Harry Meade				
Art Unit	1846 1632				
Examiner Name	Joanne Hama				
Attorney Docket Number	GTC-21				

Fire interes	Ciar	Danis and Missale is	U. S. PATENT		I Bassa Catamas Line 155
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-	<del>-</del>	<del></del>	
	l	05-			
		US-			
		US-			
-		US-			
	<del> </del>	US-			
	<b> </b>	US-	<del> </del>		
		US-			
		US-	<del></del>	****	
		US-	<del> </del>		
		US-			
	<del>                                     </del>	US-			
		US-			
	<del>                                     </del>	US-			,
		US-			
		US-			
	<del> </del>	US-		<del></del>	
	<del> </del>	US-	1		
		US-	1	• "	
	<del> </del>	us-	1		·

	FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Γ		
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>3</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear			
94						C		
977		EP 467482	01-22-1992	Ver Coop Melkin	-			
1		EP 693554	01-24-1996	Mass General		L		
		FR 2487642	02-05-1982	Bel Fromageries				
$\overline{}$		GB 2179947	03-18-1987	Roussel-Uclaf				

			_	
Examiner Signature	toa	14	Date Considered	1/28105

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Nind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (08-03) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO				Complete if Known		
010000				Application Number	09/849,657	
INF	ORMATION	DIS	CLOSURE	Filing Date	05/04/2001	
STATEMENT BY APPLICANT			PPLICANT	First Named Inventor	Harry Meade	
	Alea ao many cha	ate as n	acassand	Art Unit	1646-1632	
(Use as many sheets as necessary)			ocossary)	Examiner Name	Joanne Hama	
Sheet	4	of	12	Attorney Docket Number	GTC-21	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
9H		Adelman et al., DNA, 2: pg. 183-193 (1983)	
914		Agterberg et al., Gene, 88: pgs. 37-45 (1990)	
1		Alexander et al., Eur. J. Biochem., 178: pgs. 395-401 (1988)	
		Alexander et al., Nucleic Acids Res., 17: pg. 6739 (1989)	
,		Altschul et al., J. Mol. Biol., 215: pgs. 403-410 (1990)	
		Altschul et al., Nucleic Acids Res., 25(17): pgs. 3389-3402 (1997)	
		Bader et al., Clinical and Experimental Pharmacology and Physiology, Supp. 3: S81-S87 (1996)	
		Barbas et al., PNAS, 89: pgs. 4457-4461 (1992)	
		Bar(ette) al., Anal. Biochem, 204: pgs. 357-364 (1992)	
		Binding, H., "Regeneration of Plants", Plant Protoplasts, CRC Press, Boca Raton, pgs. 21-37 (1985)	

Examiner Signature 2000 W	Date Considered	1/28/05
---------------------------	--------------------	---------

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

PTO/SB/08B (08-03)
Approved for use through 07/31/2006. OMB 0551-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it contains a valid OMB control number.

Substit	ute for form 1449/PTO				Complete if Known
	NFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	09/849,657	
INF	ORMATION	DIS	SCLOSURE	Filing Date	05/04/2001
ST		PPLICANT	First Named Inventor	Harry Meade	
	() lea ne many eh	ate as	nacas sand	Art Unit	1648 1632
	(USO as many sin	7013 03 1		Examiner Name	Joanne Hama
Sheet	5	of	12	Attorney Docket Number	GTC-21

Examiner	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of	
Initials*	NO.	the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
974		Brignon et al., FEBS Lett. 188: pgs. 48-54 (1985)	
}		Campbell et al., Nucleic Acids Res., 12: pgs. 8685-8697 (1984)	
1		Charbit et al., EMBO 5, pgs. 3029-3037 (1986)	
		Clackson et al., Nature, 352: pgs. 624-628 (1991)	
		Clark et al., Bio/Technology 7: pgs. 487-492 (1989)	
		Cull et al., PNAS USA, 89: pgs. 1865-1869 (1992)	
		Cunningham et al., Science, 244: pgs. 1081-1085 (1989)	
		Cwirla et al., PNAS, 87: pgs. 6378-6382 (1990)	
		Dale, P.J., "Protoplast Culture and Plant Regeneration of Cereals and Other Recalcitrant Crops", Protoplasts, Lecture Proceedings, pgs. 31-41 (1983)	
V		Davey, M.R., "Recent Developments in the Culture and Regeneration of Plant Protoplasts", Protoplasts, Lecture Proceedings, pgs. 19-29 (1983)	

Examiner	trais	14 1	C	Date	1128/05
Signature	00000		10	Considered	(12010)

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant,

<sup>1</sup> Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

as collection of information unless it combine a writed OMB control purpose.

Substitu	ORMATION DISCLOSURE ATEMENT BY APPLICANT  (Use as many sheets as necessary)	Complete If Known			
00000		Application Number	09/849,657		
INF	ORMATION	I DIS	CLOSURE	Filing Date	05/04/2001
STA	STATEMENT BY APPLICANT		First Named Inventor	Harry Meade	
	(lles pe many eh	oote aa n	ereccond	Art Unit	1646 (632)
	(ost as many anothe as necessary)		Examiner Name	Joanne Hama	
Sheet	6	of	12	Attorney Docket Number	GTC-21

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue	T <sup>2</sup>
	NO.	number(s), publisher, city and/or country where published.	1-
91+		Devlin et al., Science, 249: pgs. 404-406 (1990)	
		DiTullio, Bio/Technology 10: pgs. 74-77 (1992)	
		Ebert et al., Bio/Technology, 12: pg. 699-702 (1994)	
		Evans et al., "Protoplasts Isolation and Culture", Handbook of Plant Cell Cultures, MacMillan Publishing Co., NY, 1: pgs. 124-176 (1983)	
		Feinberg et al., Anal. Bioc., 132: pgs. 6-13 (1983)	
		Fraley et al., Proc. Natl. Acad. Sci., USA, 80: pg. 4803-4807 (1983)	
		Fromm et al., Proc. Natl. Acad. Sci., USA, 82: pg. 5824-5828 (1985)	
		Fuchs et al., Bio/Technology, 9: pgs. 1369-1372 (1991)	
		Gallop et al., J. Med. Chem., 37(9): pgs. 1233-1251 (1994)	
$\overline{}$		Ganderton et al., Drug Delivery to the Respiratory Tract, Ellis Horwood (1987)	

	Examiner Signature	doar		Date Considered	1/28/05
--	-----------------------	------	--	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Onsidered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
a collection of information unless it contains a valid OMB experience.

Substitu	te for form 1449/PTO				Complete if Known
CCDSU	10 101111 1 1 1 1 1 1	RMATION DISCLOSURE EMENT BY APPLICAN  (Use as many sheets as necessary)		Application Number	09/849,657
INF	ORMATION	DIS	CLOSURE	Filing Date	05/04/2001
STA	TEMENT E	BY A	PPLICANT	First Named Inventor	Harry Meade
				Art Unit	<del>1648</del> 1632
	(USO as many sin	1012 02 1	iecessary)	Examiner Name	Joanne Hama
Sheet	7	of	12	Attorney Docket Number	GTC-21

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
974		Glossl, J., Biol. Chem., 259: pgs. 14144-14150 (1984)	
		Gonda, Critical Reviews in Therapeutic Drug Carrier Systems, 6: pgs. 273-313 (1990)	
		Gordon et al., Bio/Technology 5: pgs. 1183-1187 (1987)	
1.		Gorodetsky et al., Gene, 66: pgs. 87-96 (1988)	
		Gould et al., Proc. Natl. Acad. Sci., 86: pgs. 1934-1938 (1989)	
		Goward et al., TIBS, 18: pgs. 136-140 (1993)	
		Griffiths et al., EMBO J., 12: pgs. 725-734 (1993)	
		Grinnell )., Cell Biol., 124: pgs. 401-404 (1994)	
· .		Hall, Biochem. J., 242: pgs. 735-742 (1987)	
1		Hansson et al., J. Bacteriol., 174: pgs. 4239-4245 (1992)	

Examiner Signature	doan	1	Date Considered	1/28/05

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO **Application Number** 09/849,657 Filing Date INFORMATION DISCLOSURE 05/04/2001 STATEMENT BY APPLICANT First Named Inventor Harry Meade Art Unit 1646 1632 (Use as many sheets as necessary) **Examiner Name** Joanne Hama **Attorney Docket Number** Sheet **GTC-21** 12

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
Mt		Harborne et al., Eds., The Flavonoids, Vols. 1 and 2, Acad. Press (1975)	
		Harlow et al., Antibodies, A Laboratory Manual, Cold Spring Harbor, New York (1988)	
		Herrmann et al., Methods Enzymology, 152: pgs. 180-183 (1987)	
		Hohn et al., Molecular Biology of Plant Tumors, Academic Press, NY, pgs. 549-560 (1982)	
		Horsch et al., "Inheritance of Functional Foreign Genes in Plants", Science, 233: pgs. 496-498 (1984)	
		Ike et al., Nucleic Acid Res., 11: pg. 477-488 (1983)	
		Itakura et al., Annu. Rev. Biochem., 53: pg. 323-356 (1984)	
		Itakura et al., Recombinant DNA, Proc 3rd Cleveland Sympos. on Macromolecules, ed. AG Walton, Amsterdam: Elsevier, pgs. 273-289 (1981)	
A		Itakura et al., Science, 198: pg. 1056-1063 ( <del>1984)</del>	

	· · · · · · · · · · · · · · · · · · ·		
Examiner	1	Date	
	do a N	1	11/98/06
Signature	9000 (O C	l Considered	1 1/20103
		1	· •

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is ettached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCI

Substitu	Substitute for form 1449/PTO			Complete If Known		
Gussua				Application Number	09/849,657	
INF	ORMATION	DIS	CLOSURE	Filing Date	05/04/2001	
STA	STATEMENT BY APPLICANT			First Named Inventor	Harry Meade	
	(lise as many she	ate se i	necessary)	Art Unit	1848-1632-	
(Use as many sheets as necessary)			iecossary)	Examiner Name	Joanne Hama	
Sheet 9 of 12		12	Attorney Docket Number	GTC-21		

		NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.1					
grit	Ivanov et al., Biol. Chem., Hoppe-Seyler, 369: pgs. 425-429 (1988)					
1		Jamieson et al., Gene, 61: pgs. 85-90 (1987)				
		Jones et al., J. Biol. Chem., 260: pgs. 7042-7050 (1985)	_			
		Karlin et al., Proc. Ntl. Acad. Sci. USA, 87: pgs. 2264-2268 (1990)				
		Karlin et al., Proc. Ntl. Acad. Sci. USA, 90: pgs. 5873-5877 (1993)				
		Klauser et al., EMBO J., 9: pgs. 1991-1999 (1990)				
		Klee et al., Annual Review of Plant Physiology, 38: pgs. 467-486 (1987)				
		Klein et al., Nature, 327: pgs 70-73 (1987)				
		Krusius et al., Proc. Ntl. Acad. Sci. USA, 83: p. 7683-7687 (1986)				
<b>1</b>			_			

Examiner	1-0 110	Date	108105
Signature	goon w	Considered	1/20103

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2008. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid QMB control number. Complete if Known Substitute for form 1449/PTO **Application Number** 09/849,657 **Filing Date** INFORMATION DISCLOSURE 05/04/2001 STATEMENT BY APPLICANT **First Named Inventor** Harry Meade Art Unit 1646 K32 (Use as many sheets as necessary) **Examiner Name** Joanne Hama **Attorney Docket Number** Sheet 10 12 **GTC-21** of

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
94		Lacy et al., A Laboratory Manual, Cold Springs Harbor, New York (1986)	
		Leung et al., Technique 1: pgs. 11-15 (1989)	
		Maniatis et al., Molecular Cloning, A Laboratory Manual, Cold Spring Harbor, New York (1983)	
		Marks et al., J. Biol. Chem., 267: pgs. 16007-16010 (1992)	
		Mercier et al., J. Dairy Sci., 76: pgs. 3079-3098 (1993)	
		Myers et al., Science, 229: pg. 242 (1985)	
		Narang, S., Tetrahedron 39: pg. 3-22 (1983)	
1		Paszkowski et al., EMBO J., 3: pgs. 2717-2722 (1984)	

Examiner	\	17	Date	1100100
Signature	00 au	W~	Considered	1/28/05

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

Considered. Include copy of this form with next communication to applicant is to place a check mark here if English language Translation is attached.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments and the complete this form application for retaining the burden should be sent to the Chief Information Officer, U.S. Patent and amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCI

Substitu	Substitute for form 1449/PTO			Complete if Known		
000000	10 10 10 11 14 01 10			Application Number	09/849,657	
INF	ORMATION	I DIS	CLOSURE	Filing Date	05/04/2001	
STA	TEMENT E	BY A	PPLICANT	First Named Inventor	Harry Meade	
	(line no many che			Art Unit	1646 1639	
(Use as many sheets as necessary)				Examiner Name	Joanne Hama	
Sheet	11	of	12	Attorney Docket Number	GTC-21	

		NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²	
971	Pinkert, C., ed., Academic Press, Inc., Transgenic Animal Technology, A Handbook, (1994)			
1		Raeburn et al., J. Pharmacol. Toxicol. Methods, 27: pgs 143-159 (1992)		
		Richards et al., J. Biol. Chem., 256: pgs. 526-532 (1981)		
		Roberts et al., PNAS, 89: pgs. 2429-2433 (1992)		
		Ruoslahti, E., Ann. Rev. Cell Biol., 4: pgs. 229-255 (1988)		
·		Sambrook et al., Molecular Cloning: A Laboratory Manual, 2nd Ed., Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, (1989)		
		Schorr et al., Vaccines, 91: pgs. 387-392 (1991)		
		Scott et al., Science, 249: pgs. 386-390 (1990)		
		Selgrath et al., Theriogenology, pgs. 1195-1205 (1990)		
V		Soulier et al., FEBS Letts., 297: pg. 13-18 (1992)		

Examiner Da No	Date	1128/05
Signature Signature	Considered	1120103

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

PTO/SB/08B (08-03)
Approved for use through 07/31/2005. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it contains a valid OMB control number.

Complete If Known

Substitu	te for form 1449/PTC	<u> </u>	<u></u>	Complete If Known		
, 50050	10 10/10/11 1443/- 10	•		Application Number	09/849,657	
INF	ORMATIO	N DIS	CLOSURE	Filing Date	05/04/2001	
STA	TEMENT	BY A	PPLICANT	First Named Inventor	Harry Meade	
	(lee ee mony e			Art Unit	1846 1637	
(Use as many sheets as necessary)				Examiner Name	Joanne Hama	
Sheet	12	of	12	Attorney Docket Number	GTC-21	

Cuamina	I Cito	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
911	9H Stewart, Nucleic Acids Res. 12: pg. 3895-3906 (1984)		
Ĭ		Swaisgood, H.E., Developments in Dairy Chemistry, I, Chemistry of Milk Protein, Applied Science Publishers, NY (1982)	
		Thiry et al., Appl. Environ. Microbiol., 55: pgs. 984-993 (1989)	
		Thomas, Proc. Natl. Acad. Sci., 77: pgs. 5201-5205 (1980)	
		Vilotte et al., Biochemie 69: pgs. 609-620 (1987)	
		Wells et al., Gene, 34: pg. 315-323 (1985)	
1		White et al., "Current Topics in Complement Research: 64th Forum in Immunology", pgs. 88-94	
		Yu-Lee et al., J. Biol. Chem, 258: pgs 10794-10804 (1983)	
	(	Colowick, et al., Methods in Enzymology, Vol. 155, Recombinant DNA, Part F, pgs. 1-11-119, 131-139, 449-467, 501-527 (1987)	
V		Crea et al., Proc. Natl. Acad. Sci., USA, 75: 5765-5769 (1978)	

Examiner	do.	110	Date	1/28/05
Signature	0000	(4)	Considered	1/20103

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.